

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/009323

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 G01N33/574 G01N33/68

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, EMBASE, Sequence Search

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/105011 A1 (PAN JAMES ET AL) 5 June 2003 (2003-06-05) claims 11,20; figure 240; sequence 240 paragraphs '0009!, '0028!, '0008! - '0060!, '0065! - '0069!, '0489!, '0544! paragraphs '0700! - '0710!, '0746!, '0759!, '0784! - '0800!, '0837! - '0860!	1-11,13
Y	----- -/--	12



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

18 January 2005

Date of mailing of the international search report

20.06.2005

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/009323

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>CUI YONGPING ET AL: "ECRG2, a novel candidate of tumor suppressor gene in the esophageal carcinoma, interacts directly with metallothionein 2A and links to apoptosis."</p> <p>BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol. 302, no. 4, 21 March 2003 (2003-03-21), pages 904-915, XP002313779 ISSN: 0006-291X abstract</p>	12
X	<p>AOKI T ET AL: "EBAG9/RCAS1 expression in hepatocellular carcinoma - correlation with tumour dedifferentiation and proliferation"</p> <p>EUROPEAN JOURNAL OF CANCER, PERGAMON PRESS, OXFORD, GB, vol. 39, no. 11, July 2003 (2003-07), pages 1552-1561, XP004434955 ISSN: 0959-8049 abstract</p>	14
X	<p>LIAO Q ET AL: "The anti-apoptotic protein BAG-3 is overexpressed in pancreatic cancer and induced by heat stress in pancreatic cancer cell lines"</p> <p>FEBS LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 503, no. 2-3, 17 August 2001 (2001-08-17), pages 151-157, XP004300878 ISSN: 0014-5793 abstract</p>	14
P,Y	<p>CUI YONG-PING ET AL: "Using yeast two-hybrid system to identify ECRG2 associated proteins and their possible interactions with ECRG2 gene."</p> <p>WORLD JOURNAL OF GASTROENTEROLOGY : WJG. SEP 2003, vol. 9, no. 9, September 2003 (2003-09), pages 1892-1896, XP001204289 ISSN: 1007-9327 the whole document</p> <p style="text-align: center;">----- -/--</p>	12

## INTERNATIONAL SEARCH REPORT

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	YUE CHUN-MEI ET AL: "Short tandem repeat polymorphism in a novel esophageal cancer-related gene (ECRG2) implicates susceptibility to esophageal cancer in Chinese population." INTERNATIONAL JOURNAL OF CANCER, vol. 108, no. 2, 10 January 2004 (2004-01-10), pages 232-236, XP002313781 ISSN: 0020-7136 abstract	
P,A	CLARK H F ET AL: "THE SECRETED PROTEIN DISCOVERY INITIATIVE (SPDI), A LARGE-SCALE EFFORT TO IDENTIFY NOVEL HUMAN SECRETED AND TRANSMEMBRANE PROTEINS: A BIOINFORMATICS ASSESSMENT" GENOME RESEARCH, COLD SPRING HARBOR LABORATORY PRESS, US, vol. 13, October 2003 (2003-10), pages 2265-2270, XP001189293 ISSN: 1088-9051 abstract	
E	WO 2004/097424 A (GENOVA LTD; NOVARTIS PHARMA GMBH ; BOUGUELERET LYDIE (CH); REFFAS SAMI) 11 November 2004 (2004-11-11) claims	1-7

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2004/009323

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 7, 9 and 10 as regards industrial applicability,  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 9 and 10 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-14

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-14

Method for detecting an HPP. Protein array. Methods for the detection and treatment of cancer or hyperlasia, screening methods and pharmaceutical composition related to HPP-38

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2. claims: 15, 17-23

Methods for the detection and treatment of neurodegeneration, screening methods, polypeptide and pharmaceutical composition related to HPP-13 or GPA101

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3. claims: 24-29

Methods for the detection and treatment of a disease associated with iron balance or iron transport, screening methods related to HPP-13

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4. claims: 16, 30-40

Methods for the detection and treatment of a disease with disregulated serum glucose, screening methods, polypeptide and pharmaceutical composition related to HPP-23

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/009323

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003105011	A1	05-06-2003	
		US 2003175882 A1	18-09-2003
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